

SCATTER CORRECTION METHOD FOR NON-STATIONARY X-RAY ACQUISITIONS

ABSTRACT OF THE DISCLOSURE

A method of estimating an asymmetrical scatter signal distribution wherein asymmetry is introduced by angular incidence of radiation, which has been emitted from a source and transmitted through an object to be imaged, on a detector, is disclosed. This method includes, in an embodiment, modifying scatter that would be derived wherein the radiation is directly incident on the detector with zero degrees of inclination, using an asymmetry factor which indicates the shape and magnitude of the scatter signal distribution and which varies with an angle at which the radiation is incident on the detector, a mean attenuation coefficient of the object, and a distance the radiation has traveled through the object. The estimated scatter provides for correction of scatter in a image.

Figures

Figure 1: A vertical column of text, likely a list of items or a table of contents, oriented vertically on the left side of the page. The text is too small and blurry to be legible.